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Amended

1. We claim :

once amended : An apparatus for a simplified electrical power disturbance detection and indicator
5 gage with learning capability options, wherein said gage comprises a two-part apparatus, a plurality
of alpha-numeric displays, a plurality of light emitting diode indicators, a plurality of bar graph
displays, a plurality of switches, multiple input terminals, interconnecting cable and associated
connectors, a means for connection to a single phase or polyphase power mains, for determining
the existence and duration, or non-existence of specific power line anomalies which affect the
10 operation or process of connected electronic devices, and a means for memorizing the indicated
anomalies from previous measured values, without the need for complicated graphs or analysis by
experienced technicians or engineering professionals.

2. : Amended: [We claim a] An apparatus for a simplified disturbance detection and indicator gage
15 of claim 1, whereby said gage consists of a first connection unit part and a second measurement
and display part, said parts may be interconnected by a cable assembly and weather proof
connectors over a distance extending from zero to 1000 feet.

3. Amended [We claim a] An apparatus for a simplified disturbance detection and indicator gage
20 of claim 2, whereby both the connection and the measurement and display parts may be unified
into a single gage.

[M568]

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4. Amended : [We claim a] An apparatus for a simplified disturbance detection and indicator gage of claim 1, whereby said alphanumeric displays can display a nominal voltage from 117 volts RMS to 480 volts RMS.

5 5. Amended : [We claim a] An apparatus for a simplified disturbance detection and indicator gage of claim 3, whereby a manual switch can select either a WYE or a DELTA connection for polyphase line power.

10 6. Amended : [We claim a] An apparatus for a simplified disturbance detection and indicator gage of claim 1, whereby a plurality of light emitting diode or incandescent indicators on each phase can display whether a specific anomaly is either a voltage sag, a voltage spike or surge, or a normal voltage, whereby said indicators are color-coded amber, red, or green according to the cited designation..

15 7. Amended : [We claim a] An apparatus for a simplified disturbance detection and indicator gage of claim 1, whereby linear bar-graphs can display the duration of each measured anomaly, wherein each bar segment of said bar graph displays represent a half-cycle of loss, wherein at a line frequency of 60 hertz, each half cycle represents a duration of 8.33 milliseconds, and wherein said bar-graphs have data latching capability to store displayed information as needed.

20 8. Amended : [We claim a] An apparatus for a simplified disturbance detection and indicator gage of claim 7, whereby selection can be made for a line frequency of 50 hertz, whereby each bar segment will represent a duration of ten milliseconds

9. Amended : [We claim a] An apparatus for a simplified disturbance indicator gage of claim 1,
wherein said operation or processes of electronic devices includes computers, manufacturing
devices such as numerically controlled milling or production machinery, or industrial processing
5 machinery.

10. Amended [We claim a] An apparatus for a simplified disturbance indicator gage of claim 1,
wherein said learning capability can be either from previously measured data or from a data base
which can be entered by an operator by means of a data port.

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